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 31 MAY 2005

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Substitute for form 1449A/PTO			Complete if Known		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)			Application Number		
			Filing Date	May 31, 2005	
			First Named Inventor	Maurizio GALIMBERTI	
			Art Unit		
			Examiner Name		
Sheet	1	of	2	Attorney Docket Number	07040.0226-00000

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. <sup>1</sup>	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/M.O./		US-6,482,884 B1	11-19-2002	SCHAAL, et al.	
		US-3,032,519	05-01-1962	BATTS	
		US-5,171,394	12-15-1992	LAURENT	
		US-4,963,207	10-16-1990	LAURENT	
		US-4,742,124	05-03-1988	TSUTSUMI, et al.	
		US-4,550,142	10-29-1985	AKITA, et al.	
		US-5,414,040	05-09-1995	MCKAY, et al.	
		US-5,096,867	03-17-1992	CANICH	
		US-5,229,478	07-20-1993	FLOYD, et al.	

Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
/M.O./		DE 197 00 967 A 1	07-16-1998	STEVENS, et al.		YES
		WO 02/083433 A1	10-24-2002	GALIMBERTI, et al.		
		EP 1 085 049 A2	03-21-2001	DUMKE, et al.		Abstract
		EP 0 328 261 A1	08-16-1989	BLYTHE, et al.		
		WO 01/36185 A1	05-25-2001	CARETTA, et al.		
		EP 0 968 814 A2	01-05-2000	IIZUKA, et al.		
		EP 1 201 414 A2	05-02-2002	IKEDA, et al.		
		EP 1 211 057 A2	06-05-2002	OGAWA, et al.		
		WO 02/083783 A1	10-24-2002	GALIMBERTI, et al.		
		WO 93/19107	09-30-1993	GALIMBERTI, et al.		
		EP 0 035 342 A2	09-09-1981	CRUTCH		
		EP 0 129 368 B2	12-27-1984	EWEN, et al.		
		EP 0 277 003 A1	08-03-1988	TURNER, et al.		
		EP 0 277 004 A1	08-03-1988	TURNER		
		EP 0 632 065 A1	01-04-1995	GALIMBERTI, et al.		
		WO 92/00333	01-09-1992	CANICH, et al.		
		WO 97/15583	05-01-1997	NICKIAS, et al.		
		WO 01/12708 A1	02-22-2001	BETSO, et al.		
		EP 0 416 815 A2	03-13-1991	STEVENS, et al.		
		EP 0 418 044 A2	03-20-1991	STEVENS, et al.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.O./

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				Maurizio GALIMBERTI	
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Sheet 2 of 2				Attorney Docket Number	
				07040.0226-00000	

FOREIGN PATENT DOCUMENTS					
/M.O./		EP 0 420 436 A1	04-03-1991	CANICH	
↓		EP 0 514 818 A1	11-25-1992	DEVORE	
		WO 00/26268	05-11-2000	CADY, et al.	
		EP 0 451 604 B1	10-16-1991	STAYER, et al.	
		EP 0 206 794 A1	12-30-1986	WELBORN	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation <sup>6</sup>
/M.O./		SINN, et al., "Ziegler-Natta Catalysis", Advances in Organometallic Chemistry, vol. 18, pp. 99-149, (1980)	
↓		JORDAN, "Chemistry of Cationic Dicyclopentadienyl Group 4 Metal-Alkyl Complexes", Advances in Organometallic Chemistry, vol. 32, pp. 325-387, (1991)	
		GUPTA, et al., "Metallocene Complexes of Group 4 Elements in the Polymerization of Monoolefins", J.M.S., Rev. Macromol. Chem. Phys., C34(3), pp. 439-514, (1994)	
		MÖHRING, et al., "Homogeneous Group 4 metallocene Ziegler-Natta Catalysts: the influence of cyclopentadienyl-ring substituents", Journal Organometallic Chemistry, 479, pp. 1-29, (1994)	
		BRINTZINGER, et al., "Stereospecific Olefin Polymerization with Chiral Metallocene Catalysts", Angew. Chem, Int. Ed. Engl., vol. 34, pp. 1143-1170, (1995)	
		HUANG, et al., "Ziegler-Natta Catalysts for Olefin Polymerization: Mechanistic Insights From Metallocene Systems", Prog. Polym. Sci., vol. 20, pp. 459-526, (1995)	
		KAMINSKY, et al., "Metallocenes for Polymer Catalysis", Advances in Polymer Science, vol. 127, pp. 143-187, (1997)	
		CHEN, et al., "'Constrained Geometry" Dialkyl Catalysts. Efficient Syntheses, C-H Bond Activation Chemistry, Monomer-Dimer Equilibration, and $\alpha$ -Olefin Polymerization Catalysis", Organometallics, vol. 16, pp. 3649-3657, (1997)	
		WOO, et al., "Combined Static and Dynamic Density Functional Study of the Ti(IV) Constrained Geometry Catalyst (CpSiH <sub>2</sub> NH) TiR <sup>+</sup> . 1. Resting States and Chain Propagation", J. American Chemical Society, vol. 118, no. 51, pp. 13021-13030, (1996)	
		HERMANN, et al., "Synthesis and Characterization of Bridged Half-sandwich Amides of Titanium and Zirconium", Journal of Organometallic Chemistry, vol. 482, pp. 169-181, (1994)	
		CHEN, et al., "Organo-Lewis Acids As Cocatalysts in Cationic Metallocene Polymerization Catalysis. Unusual Characteristics of Sterically Encumbered Tris (perfluorobiphenyl) borane" J. American Chemical Society, vol. 118, no. 49, pp. 12451-12452, (1996)	
		SHAPIRO ET AL.; "Model Ziegler-Natta $\alpha$ -Olefin Polymerization Catalysts Derived from $[(\eta^5\text{-C}_5\text{Me}_4)\text{SiMe}_2(\eta^1\text{-NCMe}_3)](\text{PMe}_3)\text{Sc}(\mu_2\text{-H})_2$ and $[(\eta^5\text{-C}_5\text{Me}_4)\text{SiMe}_2(\eta^1\text{-NCMe}_3)]\text{Sc}(\mu_2\text{-CH}_2\text{CH}_2\text{CH}_3)_2$ . Synthesis, Structures, and Kinetic and Equilibrium Investigations of the Catalytically Active Species in Solution", J. American Chemical Society, vol. 116, no. 11, pp. 4623-4640, (1994)	
		SHAPIRO ET AL.; " $[(\eta^5\text{-C}_5\text{Me}_4)\text{Me}_2\text{Si}(\eta^1\text{-NCMe}_3)](\text{PMe}_3)\text{ScH}$ ": A Unique Example of a Single-Component $\alpha$ -Olefin Polymerization Catalyst", Organometallics, vol. 9, no. 3, pp. 867-869, (1990)	
		GALIMBERTI ET AL.; "Random Ethene/Propene Copolymerization from a Catalyst System Based on a "constrained geometry" Half-sandwich Complex", Macromol. Rapid Commun., vol. 20, no. 4, pp. 214-218, (1999)	
		XU ET AL.; "Ethylene Copolymerization with 1-Octene Using a 2-Methylbenz[e]indenyl-Based <i>ansa</i> -Monocyclopentadienylamido Complex and Methylaluminoxanes Catalyst", Macromolecules, vol. 31, no. 15, pp. 4724-4729, (1998)	
		SOGA ET AL.; "Structures of polyethylene and Copolymers of Ethylene with 1-Octene and Oligoethylene Produced with the Cp <sub>2</sub> ZrCl <sub>2</sub> and $[(\text{C}_5\text{Me}_4)\text{SiMe}_2\text{N}(\text{t-Bu})]\text{TiCl}_2$ Catalysts", Macromol. Chem. Phys. vol. 197, pp. 4237-4237 (1996)	
		GALIMBERTI, et al., "Metallocenes as Catalysts for the Copolymerization of Ethene with Propene and Dienes", Wiley Series in Polymer Science, edited by Scheirs, et al., Vol. 1, pp. 309-343, (1999)	

Examiner Signature	/Michael Orlando/	Date Considered	07/21/2008
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.O./